

Yuqing Qiu | Software Developer

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Diploma in Artificial Intelligence and Machine Learning from BCIT. B.Eng. from Tongji University, Shanghai, China. Rich in working and project experience. A passionate fast learner with huge interests in Machine Learning. Happy to meet challenging problems and solve them.

Technical and Personal skills

- **Programming Languages:** Proficient in: Python, Java, JavaScript, C/C++
Also basic ability with: R, PHP.
Frameworks experience: scikit-learn, pandas, numpy, Keras, ReactJS, VueJS, Django
- **Other Technical Skills:** CNN, NLP, Git, Databases, Linux Commands, CIs and Jenkins
- **General Business Skills:** Good presentation skills, Team-player, Outstanding skills with Microsoft Office, especially Excel.

Previous Employment

- **NETINT Technologies Inc.** **Vancouver**
Test Developer *June 2018–August 2018*
I started with writing tests in python. I wrote several performance test scripts testing IOPs and throughput with fio. Later on, I also expanded testing environments for my team by building high-performance PCs and servers. Besides, I also set up a few Jenkins agents to run time-consuming tests overnights.
- **AirG Inc.** **Vancouver**
QA Specialist Co-op *September 2017–December 2017*
I worked on two projects simultaneously and tested in an agile development environment. I drafted test cases according to the given test plan and performed the tests for each release of the apps and website.
- **NETINT Technologies Inc** **Vancouver**
ASIC Design Engineer Co-op *June 2016–August 2016, June 2017–August 2017*
I was responsible for sanity tests reports for each week's firmware release. I also developed a register checking GUI in Python for firmware developers to visualize their debugging process.

Education

Academic Qualifications.....

- **British Columbia Institute of Technology** **Burnaby**
Computer Systems Technology, Machine Learning *2016–2018*
- **Tongji University** **Shanghai**
B.Eng. Mechatronics Engineering *2011–2015*

Notable Projects.....

- **ICBC Claim Prediction** *Python, scikit-learn, Keras*

I worked in a team of 3, trying to predict the claim amount of the test data-set using training data-set with unnamed features. As the leader of the team, I managed the project and performed classifications to predict if the claim is 0, and linear regressions to predict the claim amount. Our final prediction won the second place of all predictions of all students.

- **Abalone Player AI** *Python, Heuristic Functions, Alpha-beta Pruning*

A school project, where I developed a gaming AI making it's moves based on heuristic functions and Alpha-beta pruning.

- **Web Developing** *NodeJS with Express and VueJS*

I developed a web app in NodeJS and VueJS in a team. The web app collects and stores users' skill set. User can also input a job description, the web app will look through the skill set to see if user has the required skills in the description.

- **Website & RESTful API** *NodeJS, GCE IaaS*

I developed a simple sudoku solver API that takes a sudoku board and returns the solved board as the respond.

- **PhoenixContact Xplore Contest, Germany** *1st place of an international contest*

I was in a team of 3 students joining the contest. My contributions to the team is tuning motor controlling modules in C++, managing electrical connectors, project managing. We have won the 1st place of category *Factory* and got invited to Hanover Fair (Hannover Messe) of 2015, Germany.

Interests and extra-curricular activity

- **Coursera Certificate in Machine Learning:** I attended online course on coursera in topic Neural Networks and Deep Learning and received the certification on 4th of November, 2017. The course walked me through the basics of machine learning and gave me hands-on experience of building image recognizing CNN.
- **Find Your Food:** Using NLP and classification models to weight reviews of restaurants for users respectively.

Professional References

- **Stephen Lee**

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- **Chi En Huang, PhD**

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